

# Cumulative contents of Volume 51

## Volume 51, No. 1, May 1996

#### **Papers**

SC. Peng	
An equalizer design for nonminimum phase channel via two-block $H_{\infty}$ optimization technique	1
JY. Tourneret and B. Lacaze	
MA blind identification based on order statistics application to binary-driven systems	15
BE. Jun and DJ. Park	
Performance analysis of novel steepest descent algorithms for adaptive filters	29
O. Meste and H. Rix	
Jitter statistics estimation in alignment processes	41
E. Baccarelli and R. Cusani	
Recursive Kalman-type optimal estimation and detection of hidden Markov chains	55
B. Parhami	
A note on digital filter implementation using hybrid RNS-binary arithmetic	65
I. García, J. Roca, J. Sanjurjo, J.M. Carazo and E.L. Zapata	
Implementation and experimental evaluation of the constrained ART algorithm on a multicomputer system	69
S. Van Huffel	
Comment on "Estimating the parameters of exponentially damped/undamped sinusoids in noise: A non-iterative approach,	
by D. Kundu and A. Mitra"	77

#### Volume 51, No. 2, June 1996

#### **Papers**

I. Dologlou, S. Bakamidis and G. Carayannis	79
Signal decomposition in terms of non-orthogonal sinusoidal bases	19
HT. Li and P.M. Djurić	
A novel approach to detection of closely spaced sinusoids	93
H.T. Li and P.M. Djurić	
An iterative MMSE procedure for parameter estimation of damped sinusoidal signals	105
V. Kontorovich and V. Lyandres	
Impulse noise: A nontraditional approach	121
KL. Chung	
A fast pipelined median filter network	133
M.H. ElAyadi, A. Mamdouh and A.E. Basiony	
An algorithm for global optimization of distributed multiple-sensor detection systems using Neyman-Pearson	
strategy	137

### Volume 51, No. 3, June 1996

### Papers

J.C. Handley and E.R. Dougherty	
Optimal nonlinear filter for signal-union-noise and runlength analysis in the directional one-	
dimensional discrete Boolean random set model	147
I. Bouras, GO. Glentis and N. Kalouptsidis	
Architectures for block Toeplitz systems	167
F. Noo, C. Bernard, F.X. Litt and P. Marchot	
A comparison between filtered backprojection algorithm and direct algebraic method in fan	
beam CT	191
Y. Ryu, I. Song, T. Chang and K.S. Kim	
Adaptive code rate change for maximum throughput in DS-SSMA communication systems	201
K.M.M. Prabhu, N. Anupindi and R. Shanmuga Sundaram	
Generalized pruning at the input of radix-2 DIF FHT algorithms	215
Z. Wang, G.A. Jullien and W.C. Miller	
On computing Chebyshev optimal nonuniform interpolation	223
Y. Deville	
A unified stability analysis of the Hérault-Jutten source separation neural network	229
K.M.M. Prabhu and R. Shanmuga Sundaram	
Some results on fixed-point error analysis of Wigner-Ville distribution	235
Author index of Volume 51	241
Cumulative contents of Volume 51	243

